From the INTERNATIONAL SEARCHING AUTHORITY

To: FIFHR HOHBACH TEST ALBRITTON

NOTIFICATION OF TRANSMITTAL OF

& HERBERT LLP Attn. Brezner, David J. 4 Embarcadero Center, Suite 3400 San Francisco, CA 94111-4187 UNITED STATES OF AMERICA	OR THE DECLARATION (PCT Rule 44.1)
	Date of mailing (day/month/year) 29/05/2002
FP68970-10 Pms/00 KTC	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 01/05027	International filing date (day/month/year) 16/02/2001
Applicant ILLUMINA, INC.	
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norm International Search Report; however, for more of Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41–22) 740.14.3 For more detailed instructions, see the notes on the account of the applicant is hereby notified that no International Sear Article 17(2)(a) to that effect is transmitted herewith. 3. With regard to the protest against payment of (an) additionable the protest together with the decision thereon has be applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant's request to forward the texts of both the protest applicant is request to forward the texts of both the protest applicant is required.	Review Foreign Pars (11 S) Re
priority date or could not be elected because they are not bot Name and mailing address of the International Searching Authority	und by Chapter 11.
European Patent Office, P.B. 5818 Patentlaan 2	



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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.



(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FP68970-1DCF	FOR FURTHER see Notification of (Form PCT/ISA/2)	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 01/05027	16/02/2001	16/02/2000
Applicant	·	
ILLUMINA, INC.		
This International Search Report has bee according to Article 18. A copy is being to	en prepared by this International Searching Aut cansmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	s of a total of Sheets. y a copy of each prior art document cited in this	report.
Basis of the report		
 a. With regard to the language, the language in which it was filed, ur 	e international search was carried out on the bankes otherwise indicated under this item.	sis of the international application in the .
the international search (Authority (Rule 23.1(b)).	was carried out on the basis of a translation of	the international application furnished to this
b. With regard to any nucleotide a was carried out on the basis of the	nd/or amino acid sequence disclosed in the in the interior sequence listing:	nternational application, the international search
l L	ional application in written form.	
	ternational application in computer readable for	m.
	to this Authority in written form.	
the statement that the st	to this Authority in computer readble form. ubsequently furnished written sequence listing	does not go beyond the disclosure in the
	as filed has been furnished. formation recorded in computer readable form	is identical to the written sequence listing has been
TUITIISTIEG		
2. Certain claims were to	und unsearchable (See Box I).	
3. Unity of invention is la	cking (see Box II).	
4. With regard to the title,		
	submitted by the applicant.	
the text has been estab	lished by this Authority to read as follows:	
5. With regard to the abstract,		
the text has been estab	submitted by the applicant. lished, according to Rule 38.2(b), by this Authorithe date of mailing of this international search in	ority as it appears in Box III. The applicant may, eport, submit comments to this Authority.
6. The figure of the drawings to be pu	ublished with the abstract is Figure No.	
as suggested by the ap	plicant.	X None of the figures.
	ailed to suggest a figure.	
because this figure bet	ter characterizes the invention.	

PCT/US 01/05027

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68 B01J19/00 G01N33/68 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) C12Q G01N B01J IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category ° 1-26 WO 99 67641 A (ILLUMINA INC) Y 29 December 1999 (1999-12-29) page 19, paragraph 3 page 28, line 23 - line 35 page 32, line 30 -page 37, line 12; claims 1-18 CZARNIK A W: "ILLUMINATING THE SNP 1 - 26GENOMIC CODE" MODERN DRUG DISCOVERY, AMERICAN CHEMICAL SOCIETY,, US, vol. 1, no. 2, 1998, pages 49-55, XP000920564 ISSN: 1099-8209 the whole document Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date involve an inventive step when the document is taken alone *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the citation or other special reason (as specified) document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. *P* document published prior to the international filing date but *&* document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 29/05/2002 22 May 2002 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Osborne, H Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016

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Itemational Application No
PCT/US 01/05027

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DAVID R WALT: "Fiber Optic Imaging Sensors" ACCOUNTS OF CHEMICAL RESEARCH, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 31, no. 5, 1998, pages 267-278, XP002140931 ISSN: 0001-4842 figure 17	1-26
Y	WO 99 18434 A (TUFTS COLLEGE; WALT DAVID R (US); DICKINSON TODD A (US)) 15 April 1999 (1999-04-15) page 22, paragraph 2 -page 24, paragraph 1; claims 1-38	1-26
Y	WO 00 04372 A (UNIV TEXAS) 27 January 2000 (2000-01-27) the whole document	1-26
Y	WO 95 21271 A (MOLECULAR TOOL INC) 10 August 1995 (1995-08-10) figure 1	21-26
Y	SYVANEN A-C: "FROM GELS TO CHIPS: MINISEQUENCING PRIMER EXTENSION FOR ANALYSIS OF POINT MUTATIONS AND SINGLE NUCLEOTIDE POLYMORPHISMS" HUMAN MUTATION, WILEY-LISS, NEW YORK, NY, US, vol. 13, no. 1, 1999, pages 1-10, XP000953256 ISSN: 1059-7794 the whole document	21-26

rmation on patent family members

Aternational Application No
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